

**Japanese Utility Model Publication of Examined Utility
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[Translation of Utility Model Claim]

A stage driving apparatus for driving a stage (2, 3, 4), on which a sample (P) is placed, in two dimensions, within a vacuum chamber (1), the apparatus comprising:

a moving member (13) disposed in the vacuum chamber (1) together with the stage (2, 3, 4) such that the moving member (13) moves in at least one direction (X) in the two dimensions;

a connecting plate (14) for connecting the moving member (13) and the stage (2, 3, 4) such that the stage (2, 3, 4) is driven in the one direction (X) by the moving member (13); and

a magnetic shield cover (19) having a slit (20) through which the connecting plate (14) traverses, the magnetic shield (19) covering only the moving member (13) over the moving range of the moving member (13).